WEST Search History



DATE: Thursday, April 01, 2004

Hide?	<u>Set</u> Name	Query	<u>Hit</u> Count
	DB=U	SPT; PLUR=YES; OP=AND	•
	L1	atph.clm. or atp-h.clm. or (atp near2 h).clm.	4
	L2	atph. or atp-h or (atp near2 h) not 11	116
	L3	atph or atp-h or (atp near2 h) not 11	135
	L4	13 same (subunit or sub-unit or domain or fragment or portion or region or section or function or functional or functionally)	26
	L5	atp.ti.	75
	L6	(atpase or atp-ase).ti.	26

END OF SEARCH HISTORY

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Search Results - Record(s) 6 through 26 of 26 returned.

Scarch Results (1606) a though 20 of 20 females.
6. <u>6492181</u> . 16 Jun 00; 10 Dec 02. <u>Atpase</u> assay. White; Peter. 436/103; 435/4 436/534 436/800 436/804. G01N033/00 G01N033/546 C12Q001/00.
7. <u>6485935</u> . 11 Jan 00; 26 Nov 02. Structure of the ankyrin binding domain of a .alphaNa, K-ATPase. Morrow; Jon S., et al. 435/69.1; 435/189 435/193 435/212 435/252.3 435/320.1 435/69.7 530/328 530/330 530/362 530/364 536/23.1 536/23.2. C12P021/06 C12P021/02 C12N009/02 C07K001/00 C07H021/04.
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Terms	Documents
(atpase or atp-ase).ti.	26

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L6: Entry 6 of 26

File: USPT

Dec 10, 2002

US-PAT-NO: 6492181

DOCUMENT-IDENTIFIER: US 6492181 B1

TITLE: Atpase assay

DATE-ISSUED: December 10, 2002

INVENTOR-INFORMATION:

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CITY

STATE

ZIP CODE

COUNTRY

White; Peter

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CITY STATE ZIP CODE COUNTRY TYPE CODE

Boehringer Ingelheim (Canada) Ltd.

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03

APPL-NO: 09/ 595833 [PALM]
DATE FILED: June 16, 2000

PARENT-CASE:

This application claims the benefits of priority application 60/139,629 filed Jun. 17, 1999.

INT-CL: [07] G01 N 33/00, G01 N 33/546, C12 Q 1/00

US-CL-ISSUED: 436/103; 436/534, 436/800, 436/804, 435/4 US-CL-CURRENT: 436/103; 435/4, 436/534, 436/800, 436/804

FIELD-OF-SEARCH: 436/103, 436/800, 436/804, 436/534, 435/4

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL Clear

PAT-NO

ISSUE-DATE

PATENTEE-NAME

US-CL

4568649

February 1986

Bertoglio-Matte

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO

PUBN-DATE

COUNTRY

US-CL

WO 99/57283

July 1992

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ART-UNIT: 1627

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ASSISTANT-EXAMINER: Chaudhry; Mahreen

ATTY-AGENT-FIRM: Raymond; Robert P. Pocchiari; Susan K. Devlin; Mary-Ellen M.

ABSTRACT:

The present invention uses the principle that phosphomolybdate binds to hydrophobic surfaces to isolate the phosphomolybdate complex from other phosphate-containing molecules and further uses the SPA concept to bring a radiolabeled phosphomolybdate complex in close contact with a scintillant for measurement by scintillation counting. Generally, the present invention provides an assay for detecting and measuring the amount of orthophosphate (Pi) in an aqueous reaction mixture, wherein the amount of Pi released is separated from the reaction mixture by: adding a solution of molybdate to the reaction mixture to form a phosphomolybdate complex; and contacting the phosphomolybdate complex with a hydrophobic surface, wherein the surface is capable of being separated from the aqueous reaction mixture to allow measurement of the Pi. Particularly, this invention provides an assay for measuring the ATPase activity of enzymes, more particularly, the HPV E1 helicase.

18 Claims, 26 Drawing figures

Set	Items	Description
S1	0	PASTEURELLAC? AND ATPG?
S2	0	PASTEURELLELLAC?
S3	46868	PASTEURELLA?
S4	40	S3 AND (ATPG OR ATPASEG OR F1)
S5	16	S4/1999:2004
S6	1	S3 AND ATPG?
S7	24	S4 NOT S5
S8	873	'ATPG' OR 'ATPG GENE' OR 'ATPGAMMA' OR 'ATPGAMMA S'
S9	283	S8/2000:2004
S10	590	S8 NOT S9
S11	0	S10 AND PASTEUR?
S12	0	S10 AND HAEMOPH?
S13	0	S10 AND HEMOPH?
S14	0	S10 AND ACTINOBACIL?
S15	0	S10 AND PASTEURE?
?s s3	and s8	